

CLAIMS

1. An improved lamp post insertional conjunction structure consisting of a locking connector component ensleeved between an upper and a lower lamp post, with the said locking connector component comprised of a threaded rod, a sleeve
5 coupling in which the said threaded rod is installed through the center, and a prong ring fastened onto the upper and lower extremities of the said threaded rod and positioned at each of the two sides of the said sleeve coupling;

the said threaded rod has a neck section recessed inward at its leading and trailing extremities that provides for the detent positioning of the said prong ring
10 and only enables the said prong ring to move in a single direction;

the said prong ring has spring elements that extend from its circumferential edge and, furthermore, each said spring element also having an indented pawl section and, furthermore, the said pawl sections engage the said threaded rod neck sections such that when the free extremities at the end sections of the said spring
15 elements turn as the said prong rings rotate, they are propped open at a suitable rate and firmly postured against the interior circular walls of the said lamp posts;

as such, assembly is simple and DIY user assembly is facilitated; furthermore, since each steel post can also be disassembled, they can be taken apart to effectively reduce overall shipping dimensions.

2. An improved lamp post insertional conjoinment structure as claimed in Claim 1 in which the said sleeve coupling has a central stop annulation protruding along the medial section of its circumferential surface that provides for the post-insertion topping out of the said upper and lower lamp post at their sleeving ends.

5 3. An improved lamp post insertional conjoinment structure as claimed in Claim 1 in which the said prong ring has a lock section extending from its center for fastening the said threaded rod.

 4. An improved lamp post insertional conjoinment structure as claimed in Claim 1 in which the said prong ring spring element has a perpendicular section of
10 appropriate length that provides for the slightly tight ensleeving of the said lamp posts.

 5. An improved lamp post insertional conjoinment structure as claimed in Claim 1 in which the said prong ring is of plastic construction, and the structural arrangement of the circumferential edge includes anchoring claws and,
15 furthermore, hook sections at the ends of the said anchoring claws that are detent situated in the said threaded rod neck sections; when the said lamp posts rotate the said prong rings on the said threaded rod, the said prong ring anchoring claws are

released from the said threaded rod neck sections, and after the said anchoring claw hook sections and said neck sections separate, the said hook sections are propped open by the outer diameter of the said threaded rod and expanded outward forcefully against the interior circular walls of the said lamp posts.

- 5 6. An improved lamp post insertional conjunction structure as claimed in Claim 1 in which the said lamp posts can be equipped with an identically or differently shaped exterior tube that is installed around their exteriors to provide for variations in lamp post structure.